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(a) means for converting said image data into digital form having a plurality of digital data characteristics;

(b) means for manipulating a laser beam according to said digital data characteristics by splitting said laser beam into a reference beam and at least one object beam;

(c) means for irradiating a photosensitive surface with said reference beam and said at least one object beam to sequentially form each of said holograms, each having a distinct interference pattern, said interference pattern of each holographic pixel having characteristics of a corresponding discrete portion of said image data.

2. 90. The device of claim 89, further comprising :

a controller arranged

B (d) means for adjusting distances between adjacent holographic pixels to indicate additional characteristics of said image data corresponding to said adjacent holographic pixels.

91. The device of claim 90, wherein:

said means for converting comprise means for obtaining data corresponding to pixels of said image.